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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Ken IZUMORI et al.**

Group Art Unit: 1653

Serial Number: 10/541,822



Examiner: Not yet assigned

Filed: July 11, 2005

Confirmation Number: 8335

For: **GENE SEQUENCE OF L-RHAMNOSE ISOMERASE HAVING NEW CATALYTIC FUNCTION AND USE THEREOF**

Attorney Docket Number: 052800

Customer Number: 38834

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

January 31, 2006

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. This paper is being filed within the time periods set forth in 37 C.F.R. §1.97(b). A copy of each non-U.S. document is enclosed herewith.

Please note that copies of references of cite No. 8-11 were previously omitted because it is believed that the references had been transmitted by the International Bureau.

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Respectfully submitted,

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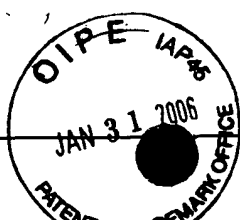
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Enclosures: PTO/SB/08
13 Document(s)

Combined Form PTO/SB/08A&B

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
	1	JP	5112455		05-07-1993	SNOW BRAND MILK PROD CO., LTD, et al.	Abstract
	2	JP	7285871		10-31-1995	MIKIMOTO PHARMACEUT CO., LTD.	Abstract
	3	JP	57-129671		08-11-1982	Biospherics Incorporated	Abstract
	4	JP	4198115		07-17-1992	SANSHO SEIYAKU CO., LTD.	Abstract
	5	JP	2000103728		04-11-2000	SHISEIDO CO., LTD.	Abstract
	6	JP	2286620		11-26-1990	RIIDE CHME K.K.	Abstract
	7	EP	0560284	B1	07-09-1997	GODO Shusei Co., Ltd.	Yes

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
	8	Bhuiyan, S.H., et al., "Preparation of L-Talose and D-Gulose from L-Tagatose and D-Sorbose, Respectively, Using Immobilized L-Phannose Isomerase", Journal of Bioscience and Bioengineering, Vol.88, No.5, p567-570, 1999	
	9	Bhuiyan, S.H., et al., "Immobilization of L-Rhamnose Isomerase and Its Application in L-Mannose Production from L-Fructose", Journal of Fermentation and Bioengineering, Vol.84, No.6, p558-562, 1997	
	10	Bhuiyan, S.H., et al., "D-Allose Production from D-Psicose Using Immobilized L-Rhamnose Isomerase", Journal of Fermentation and Bioengineering, Vol.85, No.5, p539-541, 1998	
	11	Bhuiyan, S.H., et al., "Isolation of an L-Rhamnose Isomerase-Constitutive Mutant of Pseudomonas sp. Strain LL172: Purification and Characterization of the Enzyme" Journal Fermentation and Bioengineering, Vol.84, No.4, p319-323, 1997	
	12	Shigeru MIO et al, "Synthetic Studies on (+) -Hydantocidin (3): A New Synthetic Method for Construction of the Spiro-Hydantoin Ring at the Anomeric Position of D-Ribofuranose", Tetrahedron Vol.47, No.12/13, p2133-2144, 1991	
	13	Annie GROUILLER et al., "Synthesis of D-Psico-and D-Fructofuranosyl Nucleosides", Acta Chemica Scandinavica B., Vol.38, No. 5, p367-373, 1984	

Examiner Signature

Date Considered

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